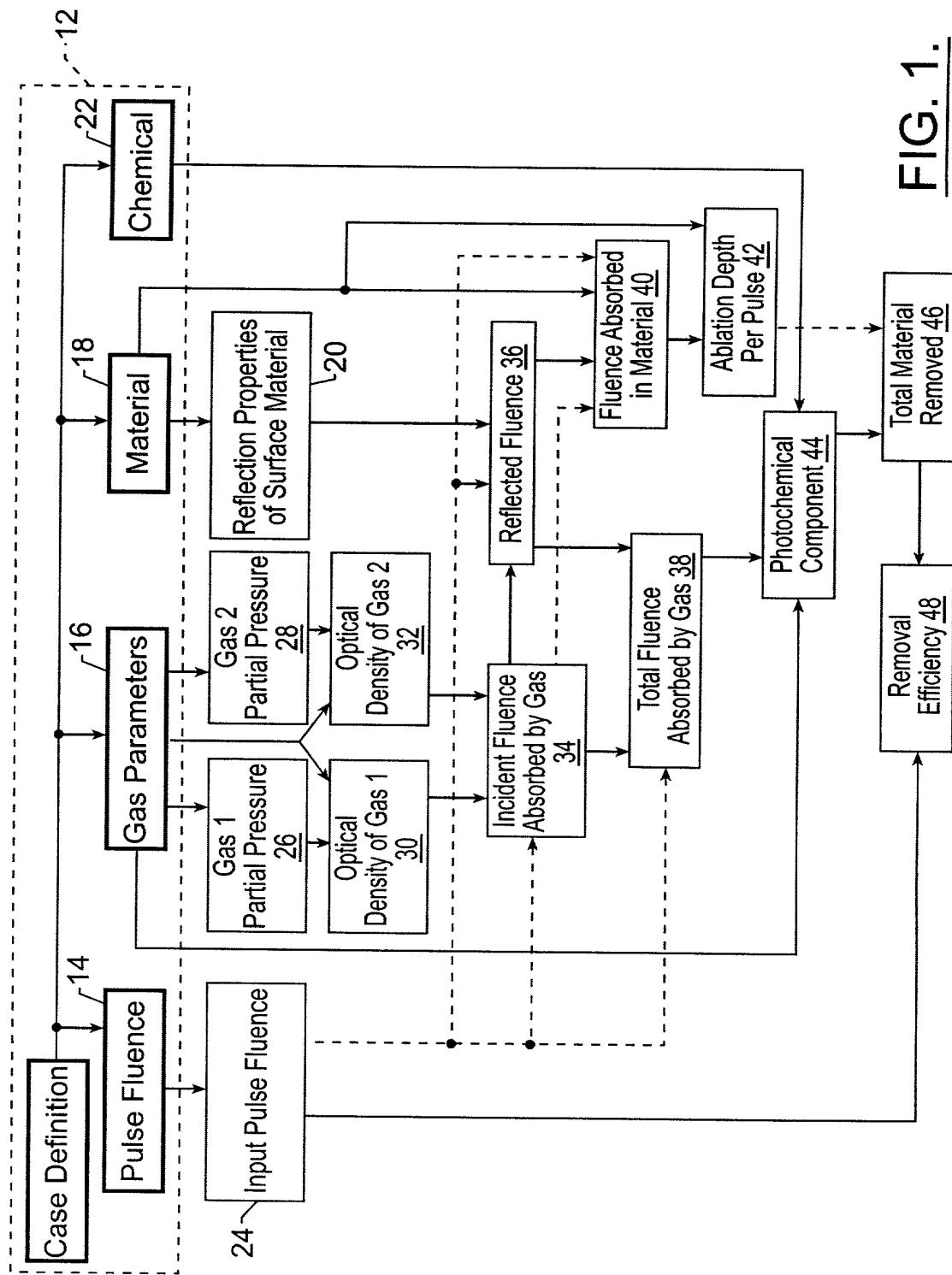


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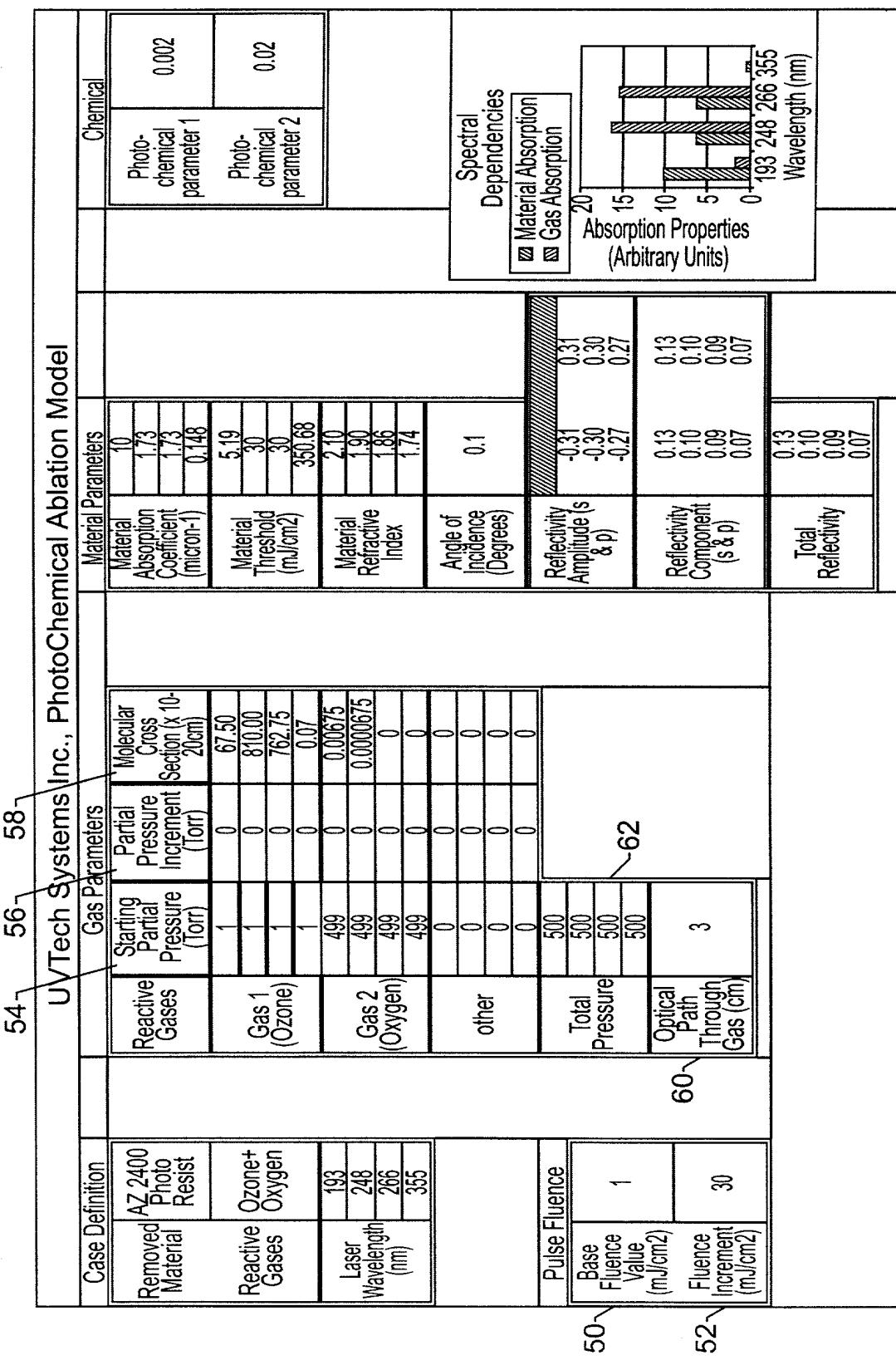


FIG. 2.

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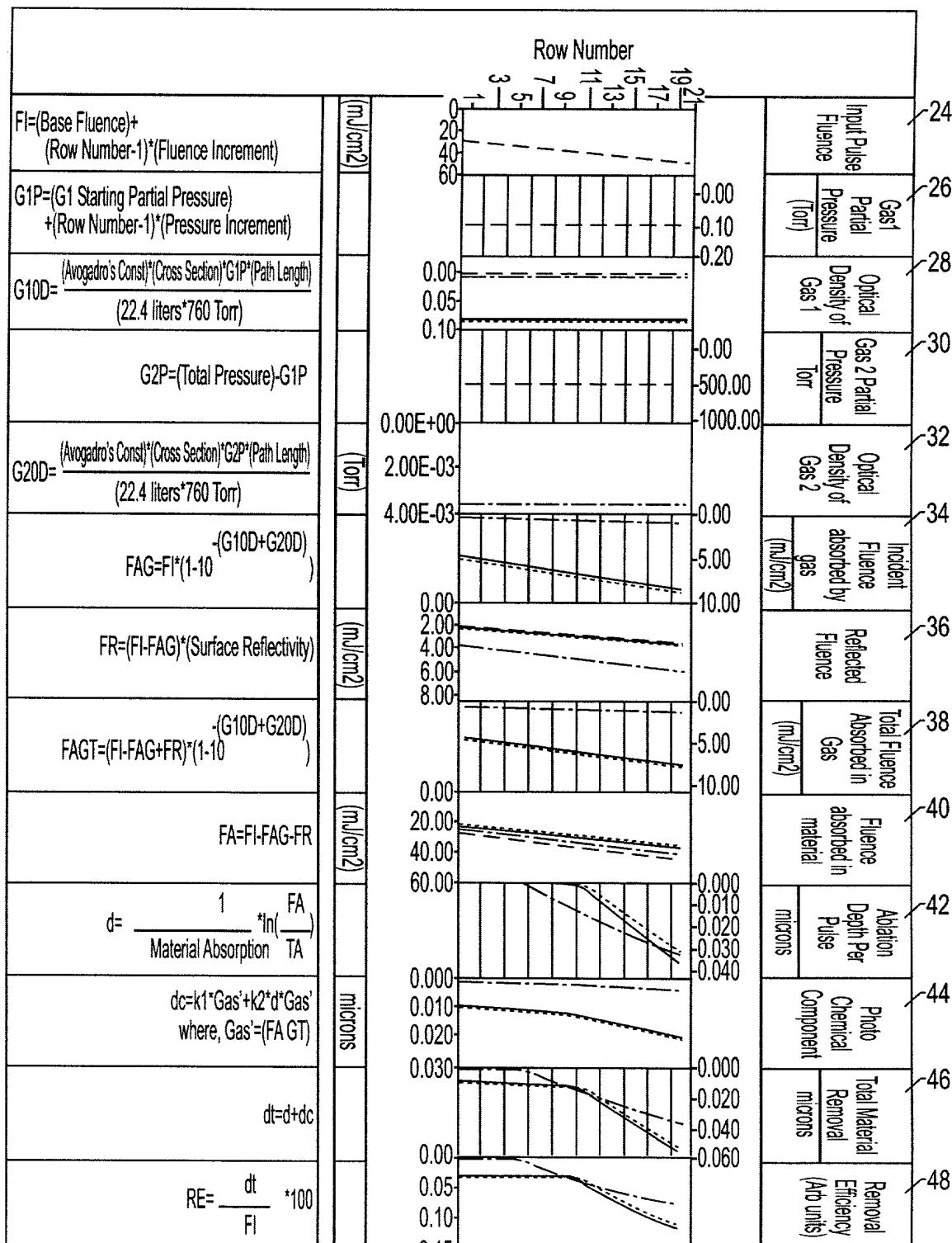


FIG. 3.

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Row Number	(mJ/cm ²)		(Torr)		Optical Density of Gas 1 Partial Pressure	Optical Density of Gas 2 Partial Pressure	Optical Density of Gas 2 Partial Pressure	(mJ/cm ²)	(mJ/cm ²)	(mJ/cm ²)	Ablation Depth Per Pulse	Fluence Absorbed in material	Total Fluence Absorbed in Gas	Reflected Fluence	Incident Fluence absorbed by gas	microns		microns		Chemical Component	Photo Component	Total Material Removal	Removal Efficiency (arbitrary Units)
	193 nm	24	26	28	30	32	34	36	38	40	42	44	46	48									
20	571	1.00	0.07	499.00	0.00353226	90.78	60.65	85.99	419.57	0.439	0.927	1.367	0.24										
19	541	1.00	0.07	499.00	0.00353226	86.01	57.46	81.47	397.53	0.434	0.870	1.304	0.24										
18	511	1.00	0.07	499.00	0.00353226	81.24	54.28	76.95	375.48	0.428	0.813	1.241	0.24										
17	481	1.00	0.07	499.00	0.00353226	76.47	51.09	72.44	353.44	0.422	0.756	1.178	0.25										
16	451	1.00	0.07	499.00	0.00353226	71.70	47.91	67.92	331.39	0.416	0.700	1.116	0.25										
15	421	1.00	0.07	499.00	0.00353226	66.93	44.72	63.40	309.35	0.409	0.645	1.054	0.25										
14	391	1.00	0.07	499.00	0.00353226	62.16	41.53	58.88	287.31	0.401	0.590	0.992	0.25										
13	361	1.00	0.07	499.00	0.00353226	57.39	38.35	54.36	265.26	0.393	0.536	0.930	0.26										
12	331	1.00	0.07	499.00	0.00353226	52.62	35.16	49.85	243.22	0.385	0.483	0.868	0.26										
11	301	1.00	0.07	499.00	0.00353226	47.85	31.97	45.33	221.17	0.375	0.431	0.806	0.27										
10	271	1.00	0.07	499.00	0.00353226	43.08	28.79	40.81	199.13	0.365	0.379	0.744	0.27										
9	241	1.00	0.07	499.00	0.00353226	38.31	25.60	36.29	177.09	0.353	0.329	0.682	0.28										
8	211	1.00	0.07	499.00	0.00353226	33.55	22.41	31.78	155.04	0.340	0.279	0.619	0.29										
7	181	1.00	0.07	499.00	0.00353226	28.78	19.23	27.26	133.00	0.324	0.231	0.556	0.31										
6	151	1.00	0.07	499.00	0.00353226	24.01	16.04	22.74	110.95	0.306	0.185	0.491	0.33										
5	121	1.00	0.07	499.00	0.00353226	19.24	12.85	18.22	88.91	0.284	0.140	0.424	0.35										
4	91	1.00	0.07	499.00	0.00353226	14.47	9.67	13.70	66.87	0.256	0.097	0.353	0.39										
3	61	1.00	0.07	499.00	0.00353226	9.70	6.48	9.19	44.82	0.216	0.058	0.274	0.45										
2	31	1.00	0.07	499.00	0.00353226	4.93	3.29	4.67	22.78	0.148	0.023	0.171	0.55										
1	1	1.00	0.07	499.00	0.00353226	0.16	0.11	0.15	0.73	0.000	0.000	0.000	0.03										

FIG. 4.